

Title (en)
STEERING CONTROL METHOD AND SYSTEM OF SELF-DRIVING VEHICLE

Title (de)
LENKSTEUERUNGSVERFAHREN UND SYSTEM FÜR SELBSTFAHRENDES FAHRZEUG

Title (fr)
PROCÉDÉ ET SYSTÈME DE COMMANDE DE DIRECTION DE VÉHICULE AUTONOME

Publication
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Application
EP 16907766 A 20160705

Priority
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Abstract (en)
Disclosed are a steering control method and a steering control system (100, 200, 300) for self-driving of a vehicle. The method comprises the steps of: obtaining information about an expected steering angle of a vehicle based on an automatic planning control operation (S410); detecting whether an effective torque is applied to a steering wheel by a driver (S420); and when it is detected that the driver has applied the effective torque to the steering wheel, computing a difference between a turning angle of the steering wheel controlled by the driver and the expected steering angle of a vehicle, and determining a self-driving intent prompt torque according to the difference between the two, wherein the self-driving intent prompt torque is to be applied to a steering system (S430). According to the expected steering angle computed by a self-driving system, by way of changing a torque to effect a manual driving operation, the driver will not be forced to change his/her steering operation, but can be prompted with a recommended driving behavior from the self-driving, and in most cases, the driver can participate in the process of steering control with nearly no operation, thereby improving the safety and comfort of a driving process.

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